

ILLINOIS

WEATHER & CROPS



Illinois Department of Agriculture
Economics & Statistics Service-USDA
Box 429 Springfield, Illinois 62705
Phone: (217) 492-4295

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CROP HI-LITES

*** Corn - 75% planted
*** Soybeans - 21% planted
*** Sorghum - 10% planted
*** Wheat - 88% headed
*** Soil Moisture - 2% Short
49% Adequate
49% Surplus

CORN planting was 75% complete as of May 24. This compares to 97% last year and the 5-year (1976-80) average of 85%. Planting progressed moderately in the northern fourth of the state, with light activity elsewhere.

SOYBEAN planting was 21% complete on May 24 compared to 71% last year and an average of 55%.

SORGHUM planting was 10% complete as of May 24.

WINTER WHEAT on May 22 was reported as 33% in excellent condition, 63% good, and 4% fair. Eighty-eight percent of the crop was headed by May 24 compared to 64% last year and an average of 70%.

The OATS crop on May 22 was 26% in excellent condition, 67% good, and 7% fair. Approximately 8% of the crop was headed on May 24 compared to 5% last year and an average of 9%.

ALFALFA was reported as 22% excellent, 65% good, 11% fair, and 2% poor on May 22. About 21% of the first cutting was complete on May 24 compared to 16% last year and an average of 20%.

RED CLOVER was reported as 30% excellent, 64% good, and 6% fair on May 22. Roughly 12% of the crop was cut on May 24 compared to 6% last year and an average of 16%.

PASTURES on May 22 were reported as 33% excellent, 65% good, and 2% fair.

SOIL MOISTURE on May 22 was reported as 49% surplus, 49% adequate, and 2% short.

For the week ending May 22 there were 2.25 DAYS SUITABLE for FIELDWORK.

SOIL MOISTURE MEASUREMENTS

Soil Moisture in a well-drained Flanagan soil near Bondville (Champaign County) increased from about 25 to 26 inches in the uppermost 7 ft. from May 12 to 19, the Illinois State Water Survey reports. This water represents about 66% of plant available moisture in the total column. The uppermost 6 inches of soil were saturated due to the 2.80 inches of rain which fell the previous seven days. About one-third of the precipitation entered the soil, the rest contributing to runoff.

WEATHER

TEMPERATURES for the period of May 18-24 were slightly above normal in the northwest and northeast portions of the State but dropped to below the weekly normal in the central and southern portions, with departures ranging from 1 degree above in the North to 7 degrees below in the southwest portion.

PRECIPITATION amounts varied as shower and thunderstorm activity was heavy in the West, Southwest, and Southeast Districts early in the period. This was followed by widespread activity at the end of the week, with totals being sparse in the Central North, moderate amounts near 1/2 inch in the northern quarter, 1 to 2 inch amounts in the Central and over 3 inches in the southern quarter of the State.

The OUTLOOK for the period, May 26 through June 1, is for temperatures to be above normal and precipitation near normal in the northwest half and above normal in the southeast half of the State.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Corn: %planted (as of May 24)	92	85	75	75	35	87	75	85	65	75	85
Soybeans: %planted (as of May 24)	55	45	20	10	5	25	10	20	35	21	55
Alfalfa: % Hay Cut (as of May 24)	10	20	15	15	10	35	35	55	50	21	20
Days suitable for fieldwork: (week ending May 22)	6.5	5.5	2.0	1.0	1.5	1.0	0.0	0.5	0.0	2.25	
Soil Moisture %: Short (as of May 22)	15	--	--	--	--	--	--	--	--	2	
Adequate	85	100	40	35	30	60	35	25	40	49	
Surplus	--	--	60	65	70	40	65	75	60	49	

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ILLINOIS WEATHER

MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	Mar.	Apr.	Apr. 27- May 3	May 4- 10	May 11- 17	May 18- 24
Chicago	+1	+2	+1	-5	-7	+1
Moline	+2	+3	+2	-6	-8	-2
Springfield	+5	+7	+2	-5	-6	-3
So. Central	+1	+6	+4	-4	-9	-6

May 26

STATION	Growing Degree Days*				
	Week ending Mon. 6 A.M.				
	Current week	3-year avg.	Totals 1980	Totals 1981	
Dubuque, IA	90	378	441	431	
Moline	99	459	488	500	
Rockford	94	397	410	425	
Chicago O'Hare	89	376	376	451	
Quincy	75	521	547	533	
Decatur	91	481	484	548	
Peoria	88	451	453	515	
Springfield	100	531	520	624	
Carlo	99	697	666	780	
St. Louis	92	607	617	724	

* Totals are accumulated from April 1.

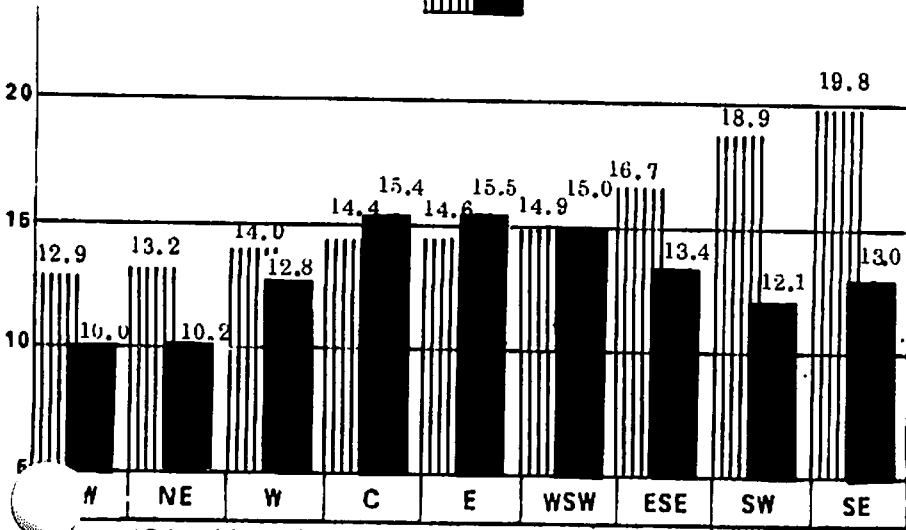
Growing degree days(GDD's) are calculated by subtracting a 50-degree (F) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86 degrees (F) and daily minimum to degrees (F). Thus, if the mean temperature for the day is 70 degrees, then 25 GDD's will have been accumulated.

ACCUMULATED PRECIPITATION
(Inches)

LEGEND: Normal | Actual

Jan. 1-May 30

Jan. 1- May 21



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PRECIPITATION:

First figure--current week, May 15-21
Parentheses--previous week
Asterisk--Friday-Sunday
M--Missing. T--Trace.

